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AMENDMENTS TO THE CLAIMS

1. (Currently Amended) A method for ~~of media~~ editing media in an electronic apparatus with digital audio/video processing capability, comprising:

receiving audio data and a plurality of associated audio descriptors, which describe characteristic of said audio data, from an audio source connecting to said electronic apparatus;

receiving visual data and a plurality of associated visual descriptors, which describe characteristic of said visual data, from a video source connecting to said electronic apparatus;

determining a plurality of corresponding weights for said visual data, said weights indicating qualities, importance, or preference of said visual data;

correlating said audio data and said visual data based on said corresponding weights, said associated audio descriptors, and said associated visual descriptors; and

adjusting said audio data and said visual data to construct a media output.

2. (Currently Amended) The method ~~of media editing~~ according to claim 1, further comprising rendering said media output with style information to an audio and/or video output devices built in or connecting to said electronic apparatus.

3. (Currently Amended) The method ~~of media editing~~ according to claim 1, wherein the step of receiving audio data and said associated audio descriptors comprises:

receiving an audio signal from said audio source; and

analyzing and segmenting said audio signal for generating said audio data and said associated audio descriptors, wherein said audio data consists of a plurality of audio segments.

4. (Currently Amended) The method ~~of media editing~~ according to claim 1, wherein the step of receiving visual data and said associated visual descriptors comprises receiving a plurality of visual segments and said associated visual descriptors from said video source.

5. (Currently Amended) The method ~~of media editing~~ according to claim 4, wherein the step of determining a plurality of corresponding weights comprises calculating any said corresponding weight for respective said visual segment.

6. (Currently Amended) The method ~~of media editing~~ according to claim 5, wherein the step of correlating comprises:

extracting an audio duration, from said associated audio descriptors, for respective said audio segment ;

extracting a visual duration, from said associated visual descriptors, for respective said visual segment;

evaluating a plurality of correlating scores for respective sequences of said visual segments, based on said corresponding weights, said corresponding audio durations and said corresponding visual durations; and

finding a sequence of visual segments with a correlating score that is the maximal within said plurality of correlating scores.

7. (Currently Amended) The method ~~of media editing~~ according to claim 4, wherein the step of receiving audio data and said associated audio descriptors comprises:

receiving an audio signal from said audio source; and

generating a plurality of audio indices by choosing said audio signal with audio change therein.

8. (Currently Amended) The method ~~of media editing~~ according to claim 7, wherein the step of correlating comprises:

finding a duration on each said visual segment;

determining a searching window based on said duration;

finding, within said searching window, a first index on said audio indices, wherein said first index is more than other indices on said audio indices within said searching window; and

adjusting each said visual segment, based on a time corresponding to said first index.

9. (Currently Amended) [[The]]A production method of media output in an electronic apparatus with digital audio/video processing capability, comprising:

receiving audio segments and a plurality of associated audio descriptors, which describe characteristic of said audio segments, from an audio source connecting to said electronic apparatus;

receiving visual segments and a plurality of associated visual descriptors, which describe characteristic of said visual segments, from a video source connecting to said electronic apparatus;

determining a plurality of corresponding weights for each said visual segment, said weights indicating qualities, importance, or preference of said visual segment;

extracting a visual duration, from said associated visual descriptors, for each said visual segment;

extracting an audio duration, from said associated audio descriptors, for each said audio segment;

evaluating a plurality of correlating scores for respective sequences of said visual segments, based on said corresponding weights, said corresponding audio durations and said corresponding visual durations;

finding a sequence of visual segments with a correlating score that is the maximal within said plurality of correlating scores; and

adjusting said audio segments and said visual segments to generate a media output.

10. (Currently Amended) The production method ~~of media output~~ according to claim 9, further comprising rendering said media output with style information to an audio and/or video output devices built in or connecting to said electronic apparatus.

11. (Currently Amended) The production method ~~of media output~~ according to claim 9, wherein the step of receiving audio segments and associated audio descriptors comprises:

receiving an audio signal from said audio source; and

analyzing and segmenting said audio signal for generating said audio segments and said associated audio descriptors.

12. (Currently Amended) The production method ~~of media output~~ according to claim 9, wherein the step of receiving visual segments and associated visual descriptors comprises:

receiving an video signal from said video source; and

analyzing and segmenting said video signal for generating said video segments and said associated visual descriptors.

13. (Currently Amended) The production method ~~of media output~~ according to claim 9, wherein said visual segments and said associated visual descriptors are in format of MPEG-7.

14. (Currently Amended) The production method ~~of media output~~ according to claim 9, wherein said audio segments and said associated audio descriptors are in format of MPEG-7.

15. (Currently Amended) [[The]]A production method of media output in an electronic apparatus with digital audio/video processing capability, comprising:

receiving audio data and a plurality of associated audio descriptors, which describe characteristic of said audio data, from an audio source connecting to said electronic apparatus;

receiving visual data and a plurality of associated visual descriptors, which describe characteristic of said visual data, from a video source connecting to said electronic apparatus;

determining a plurality of corresponding weights for said visual data, said weights indicating qualities, importance, or preference of said visual segment;

finding, within a searching window, a value corresponding to said associated audio descriptors on said audio data, wherein said value is more than other value corresponding to associated audio descriptors within said searching window; and

adjusting said visual data, based on a time corresponding to said value, to generate a media output, wherein said media output is based on audio data and said adjusted visual data.

16. (Currently Amended) The production method ~~of media output~~ according to claim 15, further comprising rendering said media output with style information to an audio and/or video output devices built in or connecting to said electronic apparatus.

17. (Currently Amended) The production method ~~of media output~~ according to claim 15, wherein said visual data and said associated visual descriptors are in format of MPEG-7.

18. (Currently Amended) The production method ~~of media output~~ according to claim 15, wherein said audio data and said associated audio descriptors are in format of MPEG-7.

19. (Currently Amended) The production method ~~of media output~~ according to claim 15, wherein the step of receiving said audio data and said associated audio descriptors comprises:

receiving an audio signal from said audio source; and

generating a plurality of audio indices by choosing said audio signal with audio change therein.

20. (Currently Amended) A computer-readable medium ~~storage device,~~ storing program logic code that, when executed in an electronic apparatus with digital audio/video processing capability, is capable of editing media, ~~a plurality of programs readable by a media process device, wherein the media process device according to said programs executes the steps~~ comprising:

program logic code, when executed, receiving audio data and a plurality of associated audio descriptors, which describe characteristic of said audio data, from an audio source connecting to said electronic apparatus;

program logic code, when executed, receiving visual data and a plurality of associated visual descriptors, which describe characteristic of said visual data, from a video source connecting to said electronic apparatus;

program logic code, when executed, determining a plurality of corresponding weights for said visual data, said weights indicating qualities, importance, or preference of said visual data;

program logic code, when executed, correlating said audio data and said visual data based on said corresponding weights, said associated audio descriptors, and said associated visual descriptors; and

program logic code, when executed, adjusting said audio data and said visual data to construct a media output.

21. (Currently Amended) A computer-readable medium~~storage device,~~ storing program logic code that, when executed in an electronic apparatus with digital audio/video processing capability, is capable of editing media, ~~a plurality of programs readable by a media process~~

~~device, wherein the media process device according to said programs executes the steps~~ comprising:

program logic code, when executed, receiving audio segments and a plurality of associated audio descriptors, which describe characteristic of said audio segments, from an audio source connecting to said electronic apparatus;

program logic code, when executed, receiving visual segments and a plurality of associated visual descriptors, which describe characteristic of said visual segments, from a video source connecting to said electronic apparatus;

program logic code, when executed, determining a corresponding weight for each said visual segment, said weight indicating qualities, importance, or preference of said visual segment;

program logic code, when executed, extracting a visual duration, from said associated visual descriptors, for each said visual segment;

program logic code, when executed, extracting an audio duration, from said associated audio descriptors, for each said audio segment;

program logic code, when executed, evaluating a plurality of correlating scores for respective sequences of said visual segments, based on said corresponding weights, said corresponding visual durations and said corresponding audio duration;

program logic code, when executed, finding a sequence of visual segments with a correlating score that is the maximal within said plurality of correlating scores; and

program logic code, when executed, adjusting said audio segments and said visual segments to generate a media output.

22. (Currently Amended) A computer-readable mediumstorage device, storing program logic code that, when executed in an electronic apparatus with digital audio/video processing capability, is capable of editing media,a plurality of programs readable by a media process device, wherein the media process device according to said programs executes the steps comprising:

program logic code, when executed, receiving audio data and a plurality of associated audio descriptors, which describe characteristic of said audio data, from an audio source connecting to said electronic apparatus;

program logic code, when executed, receiving visual data and a plurality of associated visual descriptors, which describes characteristic of said visual data, from a video source connecting to said electronic apparatus;

program logic code, when executed, determining a plurality of corresponding weights for said visual data, said weights indicating qualities, importance, or preference of said visual segment;

program logic code, when executed, finding, within a searching window, a value corresponding to said associated audio descriptors on said audio data, wherein said value is more than other value corresponding to said associated audio descriptors within said searching window; and

program logic code, when executed, adjusting said visual data, based on a time corresponding to said value, to generate a media output, wherein said media output is based on audio data and said adjusted visual data.